

FORM PTO-1449

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)



Attorney Docket Number	33758/PBH/B600
Application Number	09/438,689
Filing Date	November 12, 1999
Applicant(s)	Christopher M. Ward, et al.
Group Art Unit	2817
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,141,209	2/1979	Barnett et al.	58	23	
	4,353,039	10/1982	Huntley	331	113	
	5,031,233	7/1991	Regan	455	307	
	5,630,214	5/1997	Yamamoto et al.	455	190.1	
	5,715,012	2/1998	Patel et al.	348	555	
	5,737,035	4/1998	Rotzoll	348	725	
	5,757,220	5/1998	Murden et al.	327	308	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 133 618 A1	3/1985	EPO				
	EP 0 629 040 A1	12/1994	EPO				
	EP 0 767 532 A1	10/1996	EPO				
	UK 2 058 505 A	4/1981	United Kingdom				

OTHER DOCUMENTS

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Poole, S., Surace, G., Singh, B., Dyer, N., "A CMOS Subscriber Line Audio Processing Circuit Including Adaptive Balance," IEEE International Symposium on Circuits and Systems, Finland, Espoo, Volume 2 of 3, June 7-9, 1988, pp. 1931-1934

EXAMINER SIGNATURE		DATE CONSIDERED	3/20/01
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	33758/RJP/B600
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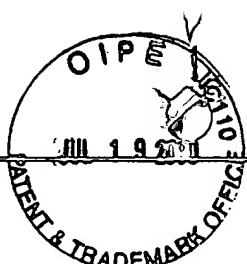
U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	5,737,035	4/1998	Rotzoll	348	725	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS		Technology Center 2600
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	

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EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,789,976	12/1988	Fujishima	369	54	
	4,818,903	4/1989	Kawano	307	521	
	5,031,233	7/1991	Ragan	455	307	
	5,828,589	10/1998	Degenhardt	364	724.19	

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Technology Center 2600**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	DE 19506324 C1	10/1995	Germany (English family patent, U.S. 5,828,589 above)				
	DE 3723778 A1	1/1988	Germany (English family patent, U.S. 4,818,903 above)				
	EP 0393717 A2	10/1990	European Patent Office				

OTHER DOCUMENTS

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Poole et al., "A CMOS Subscriber Line Audio Processing Circuit Including Adaptive Balance," IEEE Proceedings of the International Symposium on Circuits and Systems, US, New York, Vol. Conf. 21, 1988, pp. 1931-1934.

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Sheet 1 of 1

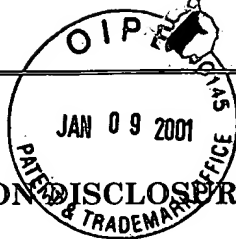
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EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	5,006,727	4/1991	Rogosch et al.	307	264	
<i>[Signature]</i>	5,587,688	12/1996	Mulbrook	330	253	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>[Signature]</i>	EP 0 365 085	4/1990	EPO (English family patent, U.S. 5,006,727 above)				
<i>[Signature]</i>	WO 97/32393	9/1997	PCT				

OTHER DOCUMENTS

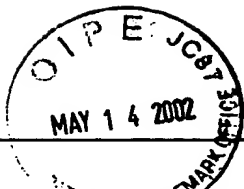
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FORM PTO-1449 Fifth Supplemental INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1875.095000C	APPLICATION NO. 09/438,689
	APPLICANTS Ward et al.	
	FILING DATE November 12, 1999	GROUP 2817

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>W</i>	AA1	3,824,491	07/1974	Ronald L. Treadway	331	109	01/19/73
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AS	1	
	AT	1	

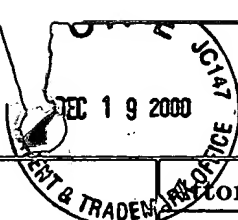
EXAMINER <i>MIS</i>	DATE CONSIDERED <i>3/20/03</i>
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Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	4,903,329	2/1990	Marik et al.	455	182	
<i>[Signature]</i>	5,428,829	6/1995	Osburn et al.	455	197.1	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>[Signature]</i>	WO 97/09786	3/1997	WIPO	<i>[Signature]</i>	<i>[Signature]</i>		
<i>[Signature]</i>	EP 0 431 887	6/1991	EPO	<i>[Signature]</i>	<i>[Signature]</i>		

OTHER DOCUMENTS

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